

$$\begin{aligned} \frac{1}{\Gamma(\alpha)} \int_0^t (t-\tau)^{\alpha-1} \frac{d}{d\tau} \left(\frac{1}{\Gamma(\beta)} \int_0^\tau (\tau-s)^{\beta-1} \frac{d}{ds} \left(\frac{1}{\Gamma(\gamma)} \int_0^s (s-u)^{\gamma-1} \frac{d}{du} \left(\frac{1}{\Gamma(\delta)} \int_0^u (u-v)^{\delta-1} \frac{d}{dv} f(v) dv \right) du \right) ds \right) d\tau \\ = \frac{1}{\Gamma(\alpha+\beta+\gamma+\delta)} \int_0^t (t-u)^{\alpha+\beta+\gamma+\delta-1} f(u) du \end{aligned}$$
[illegible]